

TECHNICAL DATA AND SPECIFICATIONS

DRAKE VM2551 AGILE MODULATOR - 550 MHz

1002423A

Video Input:

Connector:	F-Type (Female)
Impedance:	75 Ohms
Return Loss:	18 dB
Video Input Level:	0.7 volt peak-to-peak
Signal-to-Noise Ratio:	58 dB
Differential Gain:	2.0 %
Differential Phase:	1.0°
Over-modulation Indicator:	87 to 92 %
L/C Delay:	Per FCC Requirements

RF Output:

Connector:	F-Type (Female)
Impedance:	75 Ohms
Return Loss:	12 dB
Channel Modes:	CATV (STD, IRC, HRC), UHF, VHF
Power Level Range:	+ 50 to + 60 dBmV (in 0.2 dB increments)
Video Flatness:	fv - 0.5 to fv + 4.2 MHz: 1.5 dB p/v
Carrier-to-Noise:	- 63 dB
Broadband Noise:	- 77 dBc
Spurious Outputs:	- 63 dBc
Aural/Visual Carrier Ratio:	- 15 ± 5 dB

Mono Audio:

Connector:	RCA-Type
Input Impedance:	> 10k Ohms, unbalanced
Input Level:	0.5 to 4.0 volt peak-to-peak
Frequency Range:	50 Hz to 15 kHz
Frequency Response:	± 0.5 dB
Total Harmonic Distortion:	1 % @ 25 kHz deviation
Signal-to-Noise Ratio:	59 dB
Over Modulation Threshold:	25 ± 2 kHz peak deviation

IF:

Input/Output Connector:	F-Type (Female)
Aural Frequency:	41.25 MHz
Visual Frequency:	45.75 MHz

Composite IF:

Aural:	
Visual:	
Input/Output Impedance:	75 Ohms
Input/Output Return Loss:	16/15 dB

EAS/ Alternative IF:

Connector:	F-Type (Female)
Input Level:	+ 30 dBmV @ 45.75 MHz
Switch Isolation:	>60 dB

General:

AC Power Input:	117 VAC ± 10 %, 60 Hz, 23 Watt Max
Fuse:	0.4A Type T 250 V
Operating Temperature Range:	32° to 122° F
Size:	19.0" W X 14.25" D X 1.75" H
Weight:	7 lbs.

Specifications, price, and availability are subject to change without notice or obligation.